ELSEVIER

Journal of Non-Crystalline Solids 189 (1995) 301–302

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Aida, M.S. and R. Bachiri, The surface properties of sputtered amorphous silicon thin films 189 (1995) 167
Andriesh, A.M., N.A. Enachi, I.P. Culeac, T.N. Copaci and V.A. Binchevici, The mechanism of enhancement of photoinduced absorption in As_2S_3 glass at sub-bandgap illumination 189 (1995) 147
Arnold, R. and H. Solbrig, Scattered-wave supercell approach to the electronic density of states of topologically disordered metals 189 (1995) 129
Aronin, A.S., O.I. Barkalov and E.G. Ponyatovsky, Transmission electron microscopy of $Zn_{41}Sb_{59}$ quenched high-pressure phase amorphized by solid-state reaction 189 (1995) 138

Bachiri, R., see Aida, M.S. 189 (1995) 167
Barkalov, O.I., see Aronin, A.S. 189 (1995) 138
Bermejo, F.J., see Muñoz-Aguado, M.J. 189 (1995) 90
Binchevici, V.A., see Andriesh, A.M. 189 (1995) 147
Birnie III, D.P., see Weinberg, M.C. 189 (1995) 161
Boivin, J.-A., see Nagamori, M. 189 (1995) 270
Bovier, C., see Duval, E. 189 (1995) 101

Cho, D.H., K. Hirao and N. Soga, Persistent spectral hole burning of Sm^{2+} in borate glasses 189 (1995) 181
Claveau, A., see Nagamori, M. 189 (1995) 270
Copaci, T.N., see Andriesh, A.M. 189 (1995) 147
Culea, E. and I. Milea, Gd–O–Gd dimer formation in $xGd_2O_3 \cdot (1-x)Na_2O \cdot 2B_2O_3$ glasses 189 (1995) 246
Culeac, I.P., see Andriesh, A.M. 189 (1995) 147

Delaval, R., see Palavit, G. 189 (1995) 277
Downing, E.A., see Seeber, W. 189 (1995) 218
Duer, M.J., S.R. Elliott and L.F. Gladden, An investigation of the structural units in sodium disilicate glass: a 2-D ^{29}Si NMR study 189 (1995) 107
Duval, E., C. Bovier, H. Roux, J. Serughetti, A. Tuel and G. Wicker, Magnetic properties of Cu-doped porous silica gels study by magnetic resonances 189 (1995) 101

Edagawa, K., see Tei-Ohkawa, T. 189 (1995) 25
Ehrt, D., see Seeber, W. 189 (1995) 218

Elliott, S.R., see Duer, M.J. 189 (1995) 107
Elliott, S.R., see Kolobov, A.V. 189 (1995) 297
Enachi, N.A., see Andriesh, A.M. 189 (1995) 147

Fejer, M.M., see Seeber, W. 189 (1995) 218

Gerstner, E.G. and B.A. Pailthorpe, Molecular dynamics simulation of thin film amorphous carbon growth 189 (1995) 258
Ghosh, G., Model for the thermo-optic coefficients of some standard optical glasses 189 (1995) 191
Gladden, L.F., see Duer, M.J. 189 (1995) 107
Gratz, H., A. Penzkofer and P. Weidner, Nanometer particle size, pore size, and specific surface determination of colloidal suspensions and porous glasses by Rayleigh light scattering 189 (1995) 50
Gratz, H., see Penzkofer, A. 189 (1995) 55
Gregorkiewitz, M., see Muñoz-Aguado, M.J. 189 (1995) 90

Hafner, J., see Kreuch, G. 189 (1995) 227
Hesselink, L., see Seeber, W. 189 (1995) 218
Hirao, K., see Cho, D.H. 189 (1995) 181

Inada, K., see Sanada, K. 189 (1995) 283
Inoue, S., Y. Shimizugawa, A. Nukui and T. Maeseto, Thermochromic property of tellurite glasses containing transition metal oxides 189 (1995) 36
Isobe, T., S.Y. Park, R.A. Weeks and R.A. Zuhr, The optical and magnetic properties of Ni^+-implanted silica 189 (1995) 173

Jiang, Z., see Tang, Y. 189 (1995) 251
Joshi, B.C. and R. Lohani, Non-radiative energy transfer from Dy^{3+} to Ho^{3+} in zinc phosphate glass 189 (1995) 242

Kentgens, A.P.M., see Peeters, M.P.J. 189 (1995) 77
Kim, H.G., see Shioya, K. 189 (1995) 16
Kolobov, A.V. and S.R. Elliott, Reversible photo-amorphization of crystalline films of $As_{50}Se_{50}$ 189 (1995) 297
Komatsu, T., see Shioya, K. 189 (1995) 16
Koponen, I., Random transition rate model of stretched exponential relaxation 189 (1995) 154

Kreuch, G. and J. Hafner, Concentration dependence of the local order in amorphous Ni–Nb alloys 189 (1995) 227

Leboda, R., J. Skubiszewska-Zięba, V.V. Sidorchuk, V.A. Tertykh and V.I. Zarko, Preparation and some physico-chemical properties of carboaerosils 189 (1995) 265
Lohani, R., see Joshi, B.C. 189 (1995) 242

Maeseto, T., see Inoue, S. 189 (1995) 36
Matusita, K., see Shioya, K. 189 (1995) 16
Milea, I., see Culea, E. 189 (1995) 246
Montagne, L., see Palavit, G. 189 (1995) 277
Muñoz-Aguado, M.J., M. Gregorkiewitz and F.J. Bermejo, Structural characterization of silica xerogels 189 (1995) 90

Nagamori, M., J.-A. Boivin and A. Claveau, Gibbs free energies of formation of amorphous Si_2O_3, SiO and Si_2O 189 (1995) 270
Nakanishi, K., see Takahashi, R. 189 (1995) 66
Nukui, A., see Inoue, S. 189 (1995) 36

Pailthorpe, B.A., see Gerstner, E.G. 189 (1995) 258
Palavit, G., L. Montagne and R. Delaval, Preparation of zinc–sodium phosphate glass precursors by coacervation 189 (1995) 277
Park, S.Y., see Isobe, T. 189 (1995) 173
Peeters, M.P.J., W.J.J. Wakelkamp and A.P.M. Kentgens, A ^{29}Si solid-state magic angle spinning nuclear magnetic resonance study of TEOS-based hybrid materials 189 (1995) 77
Penzkofer, A., H. Gratz and P. Weidner, Dye sorption studies and specific surface determination of porous silicate sol–gel glasses 189 (1995) 55
Penzkofer, A., see Gratz, H. 189 (1995) 50
Ponyatovsky, E.G., see Aronin, A.S. 189 (1995) 138

Roux, H., see Duval, E. 189 (1995) 101

Sakaguchi, S., Behavior of closed pores formed in consolidation process for silica soot precursor 189 (1995) 43
Sanada, K., T. Shamoto and K. Inada, Radiation resistance characteristics of graded-index fibers with a core of Ge-, F-doped or B and F-codoped SiO_2 glass 189 (1995) 283
Sato, R., see Shioya, K. 189 (1995) 16
Scherer, G.W. and D.M. Smith, Cavitation during drying of a gel 189 (1995) 197
Seeber, W., E.A. Downing, L. Hesselink, M.M. Fejer and D. Ehrt, Pr^{3+}-doped fluoride glasses 189 (1995) 218
Serughetti, J., see Duval, E. 189 (1995) 101
Shamoto, T., see Sanada, K. 189 (1995) 283
Shimizugawa, Y., see Inoue, S. 189 (1995) 36
Shioya, K., T. Komatsu, H.G. Kim, R. Sato and K. Matusita, Optical properties of transparent glass-ceramics in K_2O–Nb_2O_5–TeO_2 glasses 189 (1995) 16
Sidorchuk, V.V., see Leboda, R. 189 (1995) 265
Skubiszewska-Zięba, J., see Leboda, R. 189 (1995) 265
Smith, D.M., see Scherer, G.W. 189 (1995) 197
Soga, N., see Cho, D.H. 189 (1995) 181
Soga, N., see Takahashi, R. 189 (1995) 66
Solbrig, H., see Arnold, R. 189 (1995) 129

Takahashi, R., K. Nakanishi and N. Soga, Effects of aging and solvent exchange on pore structure of silica gels with interconnected macropores 189 (1995) 66
Takeuchi, S., see Tei-Ohkawa, T. 189 (1995) 25
Tang, Y. and Z. Jiang, Phase diagram model for the physical properties of silicate and borosilicate glass systems: density and refractive index analysis 189 (1995) 251
Tanigami, Y., see Zhang, Z. 189 (1995) 212
Tei-Ohkawa, T., K. Edagawa and S. Takeuchi, Computer simulation of dislocations and plastic deformation in a model decagonal quasicrystal 189 (1995) 25
Terai, R., see Zhang, Z. 189 (1995) 212
Tertykh, V.A., see Leboda, R. 189 (1995) 265
Tichá, H., see Tichý, L. 189 (1995) 141
Tichý, L. and H. Tichá, Covalent bond approach to the glass-transition temperature of chalcogenide glasses 189 (1995) 141
Trukhin, A.N., Localized states in germanate glasses. Study of luminescence 189 (1995) 291
Trukhin, A.N., Localized states in wide-gap glasses. Comparison with relevant crystals 189 (1995) 1
Tuel, A., see Duval, E. 189 (1995) 101

van de Waal, B.W., On the origin of second-peak splitting in the static structure factor of metallic glasses 189 (1995) 118

Wakabayashi, H., see Zhang, Z. 189 (1995) 212
Wakelkamp, W.J.J., see Peeters, M.P.J. 189 (1995) 77
Weeks, R.A., see Isobe, T. 189 (1995) 173
Weidner, P., see Gratz, H. 189 (1995) 50
Weidner, P., see Penzkofer, A. 189 (1995) 55
Weinberg, M.C. and D.P. Birnie III, Transformation kinetics for randomly oriented anisotropic particles 189 (1995) 161
Wicker, G., see Duval, E. 189 (1995) 101

Zarko, V.I., see Leboda, R. 189 (1995) 265
Zhang, Z., Y. Tanigami, R. Terai and H. Wakabayashi, Preparation of transparent methyl-modified silica gel 189 (1995) 212
Zuhr, R.A., see Isobe, T. 189 (1995) 173

ELSEVIER

Journal of Non-Crystalline Solids 189 (1995) 303–306

JOURNAL OF
NON-CRYSTALLINE SOLIDS

Subject index

Absorption
Porosity, Sol–Gel Processes 189 (1995) 55

Aerogels
Neutron Diffraction, Nuclear Magnetic Resonance 189 (1995) 90

Alkali Silicate Glasses
Nuclear Magnetic Resonance, Structure 189 (1995) 107

Alloys
Density of States, Effective Potentials, Modelling 189 (1995) 129
Electron Microscopy, Mechanical Amorphization 189 (1995) 138

Amorphous Alloys
Modelling, Rare Earth Ions, Theory 189 (1995) 227

Borates
Density, Electron Spin Resonance, Rare Earth Ions, Refractive Index 189 (1995) 246
Optical Properties, Rare Earth Ions 189 (1995) 181

Bubbles
Dielectric Relaxation, Modelling, Structural Relaxation, Theory 189 (1995) 154

Carbon
Modelling, Molecular Dynamics, Thin Films 189 (1995) 258
Porosity, Silica, Solid State Reaction 189 (1995) 265

Chalcogenides
Photoinduced Effects, Photoresponse, Transient Effects 189 (1995) 147

Chalcogenide Glasses
Crystal to Amorphous Phase Transformation, Photoinduced Effects, Raman Spectra 189 (1995) 297
Glass Transition, Modelling 189 (1995) 141

Colloids
Nuclear Magnetic Resonance, Phosphates, Processing Variables 189 (1995) 277

Crystal to Amorphous Phase Transformation
Chalcogenide Glasses, Photoinduced Effects, Raman Spectra 189 (1995) 297

Crystallization
Fluorides, Optical Properties, Rare Earth Ions 189 (1995) 218
Infra-red Absorption, Sol–Gel Precursors, Viscosity 189 (1995) 212

Density
Borates, Electron Spin Resonance, Rare Earth Ions, Refractive Index 189 (1995) 246
Modelling, Phase Diagrams, Refractive Index 189 (1995) 251

Density of States
Alloys, Effective Potentials, Modelling 189 (1995) 129

Dielectric Relaxation
Bubbles, Modelling, Structural Relaxation, Theory 189 (1995) 154

Drying
Modelling, Sol–Gel Processes 189 (1995) 197

Effective Potentials
Alloys, Density of States, Modelling 189 (1995) 129

Electron Microscopy
Alloys, Mechanical Amorphization 189 (1995) 138

Electron Spin Resonance
Borates, Density, Rare Earth Ions, Refractive Index 189 (1995) 246
Gels, Glasses Containing Transition Metal Ions, Magnetic Properties, Nuclear Magnetic Resonance 189 (1995) 101
Glasses Containing Transition Metal Ions, Ion Implantation,
Optical Properties, Silica 189 (1995) 173

Electronic Structure
Germania, Luminescence 189 (1995) 291

Fibers
Optical Fibers, Optical Properties, Radiation Effects 189 (1995) 283

Fluorides
Crystallization, Optical Properties, Rare Earth Ions 189 (1995) 218

Gap States
Glasses, Luminescence, Optical Properties, Oxides 189 (1995) 1

Gels
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Magnetic Properties, Nuclear Magnetic Resonance 189 (1995) 101
Light Scattering, Porosity, Silica 189 (1995) 50

Germania
Electronic Structure, Luminescence 189 (1995) 291

Glass Ceramics
Non-linear Optics, Optical Properties, Oxides 189 (1995) 16

Glass Transition
Chalcogenide Glasses, Modelling 189 (1995) 141

Glasses
Gap States, Luminescence, Optical Properties, Oxides 189 (1995) 1

Glasses Containing Transition Metal Ions
Electron Spin Resonance, Gels, Magnetic Properties, Nuclear Magnetic Resonance 189 (1995) 101
Electron Spin Resonance, Ion Implantation, Optical Properties, Silica 189 (1995) 173
Optical Properties, Thermal Properties 189 (1995) 36

Infra-red Absorption
Crystallization, Sol–Gel Precursors, Viscosity 189 (1995) 212

Ion Implantation
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Optical Properties, Silica 189 (1995) 173

Kinetics
Nucleation, Piezoresistance 189 (1995) 161

Light Scattering
Gels, Porosity, Silica 189 (1995) 50

Luminescence
Electronic Structure, Germania 189 (1995) 291
Gap States, Glasses, Optical Properties, Oxides 189 (1995) 1

Magnetic Properties
Electron Spin Resonance, Gels, Glasses Containing Transition Metal Ions, Nuclear Magnetic Resonance 189 (1995) 101

Mechanical Amorphization
Alloys, Electron Microscopy 189 (1995) 138

Mechanical Properties
Optical Properties, Stress Relaxation 189 (1995) 25

Metallic Glasses
Modelling, Structure 189 (1995) 118

Modelling
Alloys, Density of States, Effective Potentials 189 (1995) 129
Amorphous Alloys, Rare Earth Ions, Theory 189 (1995) 227
Bubbles, Dielectric Relaxation, Structural Relaxation, Theory 189 (1995) 154
Carbon, Molecular Dynamics, Thin Films 189 (1995) 258
Chalcogenide Glasses, Glass Transition 189 (1995) 141
Density, Phase Diagrams, Refractive Index 189 (1995) 251
Drying, Sol–Gel Processes 189 (1995) 197
Metallic Glasses, Structure 189 (1995) 118
Optical Properties, Thermal Properties 189 (1995) 191

Molecular Dynamics
Carbon, Modelling, Thin Films 189 (1995) 258

Neutron Diffraction
Aerogels, Nuclear Magnetic Resonance 189 (1995) 90

Non-linear Optics
Glass Ceramics, Optical Properties, Oxides 189 (1995) 16

Nuclear Magnetic Resonance
Aerogels, Neutron Diffraction 189 (1995) 90
Alkali Silicate Glasses, Structure 189 (1995) 107
Colloids, Phosphates, Processing Variables 189 (1995) 277
Electron Spin Resonance, Gels, Glasses Containing Transition Metal Ions, Magnetic Properties 189 (1995) 101
Nuclear Spin Relaxation, Sol–Gel Processes 189 (1995) 77

Nuclear Spin Relaxation
Nuclear Magnetic Resonance, Sol–Gel Processes 189 (1995) 77

Nucleation
Kinetics, Piezoresistance 189 (1995) 161

Optical Fibers
Fibers, Optical Properties, Radiation Effects 189 (1995) 283

Optical Properties
Borates, Rare Earth Ions 189 (1995) 181
Crystallization, Fluorides, Rare Earth Ions 189 (1995) 218

Electron Spin Resonance, Glasses Containing Transition Metal Ions, Ion Implantation, Silica 189 (1995) 173
Fibers, Optical Fibers, Radiation Effects 189 (1995) 283
Gap States, Glasses, Luminescence, Oxides 189 (1995) 1
Glass Ceramics, Non-linear Optics, Oxides 189 (1995) 16
Glasses Containing Transition Metal Ions, Thermal Properties 189 (1995) 36
Mechanical Properties, Stress Relaxation 189 (1995) 25
Modelling, Thermal Properties 189 (1995) 191

Oxides
Gap States, Glasses, Luminescence, Optical Properties 189 (1995) 1
Glass Ceramics, Non-linear Optics, Optical Properties 189 (1995) 16

Phase Diagrams
Density, Modelling, Refractive Index 189 (1995) 251

Phosphates
Colloids, Nuclear Magnetic Resonance, Processing Variables 189 (1995) 277
Silicon, Thin Films 189 (1995) 167

Photo-emission
Rare Earth Ions 189 (1995) 242

Photoinduced Effects
Chalcogenides, Photoresponse, Transient Effects 189 (1995) 147
Chalcogenide Glasses, Crystal to Amorphous Phase Transformation, Raman Spectra 189 (1995) 297

Photoresponse
Chalcogenides, Photoinduced Effects, Transient Effects 189 (1995) 147

Piezoresistance
Kinetics, Nucleation 189 (1995) 161

Porosity
Absorption, Sol–Gel Processes 189 (1995) 55
Carbon, Silica, Solid State Reaction 189 (1995) 265
Gels, Light Scattering, Silica 189 (1995) 50
Silica, Small Angle X-ray Scattering, Sol–Gel Processes 189 (1995) 66
Thermal Properties, Viscosity 189 (1995) 43

Processing Variables
Colloids, Nuclear Magnetic Resonance, Phosphates 189 (1995) 277

Radiation Effects
Fibers, Optical Fibers, Optical Properties 189 (1995) 283

Raman Spectra
Chalcogenide Glasses, Crystal to Amorphous Phase Transformation, Photoinduced Effects 189 (1995) 297

Rare Earth Ions
Amorphous Alloys, Modelling, Theory 189 (1995) 227
Borates, Density, Electron Spin Resonance, Refractive Index 189 (1995) 246
Borates, Optical Properties 189 (1995) 181
Crystallization, Fluorides, Optical Properties 189 (1995) 218
Photo-emission 189 (1995) 242

Refractive Index
Borates, Density, Electron Spin Resonance, Rare Earth Ions 189 (1995) 246
Density, Modelling, Phase Diagrams 189 (1995) 251

Silica
Carbon, Porosity, Solid State Reaction 189 (1995) 265
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Ion Implantation, Optical Properties 189 (1995) 173
Gels, Light Scattering, Porosity 189 (1995) 50
Porosity, Small Angle X-ray Scattering, Sol–Gel Processes 189 (1995) 66
Thermodynamics 189 (1995) 270

Silicon
Phosphates, Thin Films 189 (1995) 167

Small Angle X-ray Scattering
Porosity, Silica, Sol–Gel Processes 189 (1995) 66

Sol–Gel Precursors
Crystallization, Infra-red Absorption, Viscosity 189 (1995) 212

Sol–Gel Processes
Absorption, Porosity 189 (1995) 55
Drying, Modelling 189 (1995) 197
Nuclear Magnetic Resonance, Nuclear Spin Relaxation 189 (1995) 77
Porosity, Silica, Small Angle X-ray Scattering 189 (1995) 66

Solid State Reaction
Carbon, Porosity, Silica 189 (1995) 265

Stress Relaxation
Mechanical Properties, Optical Properties 189 (1995) 25

Structural Relaxation
Bubbles, Dielectric Relaxation, Modelling, Theory 189 (1995) 154

Structure
Alkali Silicate Glasses, Nuclear Magnetic Resonance 189 (1995) 107
Metallic Glasses, Modelling 189 (1995) 118

Theory
Amorphous Alloys, Modelling, Rare Earth Ions 189 (1995) 227
Bubbles, Dielectric Relaxation, Modelling, Structural Relaxation 189 (1995) 154

Thermal Properties
Glasses Containing Transition Metal Ions, Optical Properties 189 (1995) 36
Modelling, Optical Properties 189 (1995) 191
Porosity, Viscosity 189 (1995) 43

Thermodynamics
Silica 189 (1995) 270

Thin Films
Carbon, Modelling, Molecular Dynamics 189 (1995) 258
Phosphates, Silicon 189 (1995) 167

Transient Effects
Chalcogenides, Photoinduced Effects, Photoresponse 189 (1995) 147

Viscosity
Crystallization, Infra-red Absorption, Sol–Gel Precursors 189 (1995) 212
Porosity, Thermal Properties 189 (1995) 43